

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16501-026001	Application No. 10/630,96
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Ohta et al.	
(37 CFR 1.99(b))		Filing Date July 31, 2003	Group Art Unit 1647

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BA	4,767,628	08-30-1988	Hutchinson			
	BB	5,023,252	06-11-1991	Hseih			
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	BH	5,506,206	04-09-1996	Kozarich			
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	BMM	20070098698	05-03-2007	Gregg et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner	Desig.	Document	Publication	Country or	Class	Subclass	Translation
Examiner Signature				Date Considered			
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							Yes	No
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	BOO	WO 00 05260	02-03-2000	WIPO				
	BPP	WO 00 13650	04-28-1994	WIPO				
	BQQ	WO 03 24472	03-06-2003	WIPO				
	BRR	WO 03 92716	11-13-2003	WIPO				
	BSS	WO 200030675 A2	06-02-2000	WIPO				
	BTT	WO 90 05185	05-17-1990	WIPO			English abstract	
	BUU	WO 96 40231	01-23-1993	WIPO				
	BVV	WO 97 48729	05-11-1994	WIPO				
	BWW	WO 99 15191	03-28-1996	WIPO				
	BXX	WO 99 21966	05-06-1999	WIPO				
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	BBBB	ALLEN, J.S. et al. "Sexual dimorphism and asymmetries in the gray-white composition of the human cerebrum" Neurolmage, Vol. 18, pp. 880-894 (2003)
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	BDDD	ARMSTRONG, R.C. et al. "Absence of fibroblast growth factor 2 promotes oligodendroglial repopulation of demyelinated white matter" J Neurosci., Vol. 22, No. 19, pp. 8574-8585 (2002)
	BEEE	ARNETT, H.A. et al. "TNF- α promotes proliferation of oligodendrocyte progenitors and remyelination" Nature, Vol. 4, pp. 1116-22 (2001)
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	BGGG	ASTON, C., et al. "Transcriptional profiling reveals evidence for signaling and oligodendroglial abnormalities in the temporal cortex from patients with major depressive disorder" Mol Psychiatry Vol. 10, pp. 309-322 (2005)
	BHHH	BAMBAKIDIS, N. C. and MILLER, R. H. "Transplantation of oligodendrocyte precursors and sonic hedgehog results in improved function and white matter sparing in the spinal cords of adult rats after contusion" J Spine, Vol. 4, p. 16-26 (2004)

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	BIII	BARTZOKIS, G., et al. "Heterogeneous age-related breakdown of white matter structural integrity: implications for cortical "disconnection" in aging and Alzheimer's disease" Neurobiol Aging, Vol. 25, pp. 843-851 (2004)
	BJJJ	BEBO, Jr., B. F. and DVEKSLER, G. S. "Evidence that pregnancy specific glycoproteins regulate T-Cell function and inflammatory autoimmune disease during pregnancy" Curr. Drug Targets Inflamm. & Allergy. Vol. 4, pp. 231-237 (2005)
	BKKK	BEBO, Jr., B.F. et al. "Low-dose estrogen therapy ameliorates experimental autoimmune encephalomyelitis in two different inbred mouse strains" J. Immunol., Vol. 166, pp. 2080-2089 (2001)
	BLLL	BRÜCK, W. and STADELMANN, C. "The spectrum of multiple sclerosis: new lessons from pathology" Curr Opin Neurol, Vol. 18, pp. 221-224 (2005)
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	BNNN	CAMARILLO, I. G. et al. "Prolactin receptor expression in the epithelia and stroma of the rat mammary gland" J Endocrinol, Vol. 171, pp. 85-95 (2001)
	BOOO	CAO, Q. et al. "Functional recovery in traumatic spinal cord injury after transplantation of multilineurotrophin-expressing glial-restricted precursor cells" J Neurosci, Vol. 25, No. 30, pp. 6947-6957 (2005)
	BPPP	CERGHET, M. et al. "Proliferation and death of oligodendrocytes and myelin proteins are differentially regulated in male and female rodents" J Neurosci, Vol. 26, No. 5, pp. 1439-1447 (2006)
	BQQQ	CERANI, A. et al. "Effects of Epoetin on the Central Nervous System" Seminars in Oncology, Vol. 28, No. 2. Suppl 8, pp. 66-70 (April 2001).
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	BSSS	CHOJNACKI, A. and Weiss, S. "Isolation of a novel platelet-derived growth factor-responsive precursor from the embryonic ventral forebrain" J. Neurosci., Vol. 24, No. 48, pp. 10888-10899 (2004)
	BTTT	CONFAVREUX, C. et al. "Rate of pregnancy-related relapse in multiple sclerosis. N Engl J Med., Vol. 339, No. 5, pp. 285-91 (1998)
	BUUU	CUNNINGHAM, B. C., et al. "High-resolution epitope mapping of hGH-receptor interactions by alanine-scanning mutagenesis", Sci., Vol. 244, p. 4908 (1989)
	BVVV	CUNNINGHAM, B.C. et al. "Receptor and antibody epitopes in human growth hormone identified by homolog-scanning mutagenesis" Sci., Vol. 243, No. 4896, pp. 1330-1336 (1989)
	BWWW	DAWSON, M.R.L. et al. "NG2-expressing glial progenitor cells" an abundant and widespread population of cycling cells in the adult rat CNS" Mol Cell Neurosci, Vol. 24, pp. 476-488 (2003)
	BXXX	DEVITO, W.J., et al. "Prolactin induced expression of interleukin-1 alpha, tumor necrosis factor alpha, and transforming growth factor-alpha in cultured astrocytes", J. Cell Biochem. 57:290-298 (1995).
	YYYY	DICCO-BLOOM E., et al. "The PACAP Ligand/Receptor System Regulates Cerebral Cortical Neurogenesis", Annals of the N.Y. Aca. of Sci. pp. 274-289 (1998)
	BZZZ	DONG, W. K. and GREENOUGH W. T. "Plasticity of nonneuronal brain tissue: roles in developmental disorders" Ment Retard Dev Disabil Res. Rev., Vol. 10, pp. 85-90 (2004)
	BAAAA	DRACA, S. and LEVIC, X. "The possible role of prolactin in the immunopathogenesis of multiple sclerosis" Med. Hypotheses, Vol. 47, pp. 89-92 (1996)

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	BBBBB	DUBEY, A.K. et al. "Differential Penetration of Three Anterior Pituitary Peptide Hormones into the cerebrospinal fluid of rhesus monkeys" Life Sci., Vol. 32, Issue 16, pp. 1857-1863 (18 April 1983) abstract
	BCCCC	FAULKNER, J. and KEIRSTEAD, H. S. "Human embryonic stem cell-derived oligodendrocyte progenitors for the treatment of spinal cord injury" Transpl. Immunol., Vol. 15, pp. 131-142 (2005)
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	BEEEE	FERRO, J. M. and Madureira, S. "Age-related white matter changes and cognitive impairment" J Neurol Sci., Vols. 203-204, pp. 221-225 (2002)
	BFFFF	FIELDS, R.D. "Myelination: an overlooked mechanism of synaptic plasticity?" Neuroscientist, Vol. 11, pp. 528-531 (2005)
	BGGGG	FLEMING, A. S. and WALSH, C. "Neuropsychology of maternal behavior in the rat: c-fos expression during mother-litter interactions" Psychoneuroendocrinology Vol.19, Nos. 5-7, pp. 429-443 (1994)
	BHHHH	FREEMAN, M.E., et al., "Prolactin: structure, function and regulation of secretion", Physiol. Rev. 80: 1523-1631 (2000).
	BIIII	GAGE, F.H. et al. "Isolation, characterization, and use of stem cells from the CNS." Annu Rev Neurosci., Vol. 18, pp. 159-92 (1995)
	BJJJJ	GAGE, F.H. et al. "Survival and differentiation of adult neuronal progenitor cells transplanted to the adult brain." Proc Natl Acad Sci., Vol. 92, pp.11879-83 (5 December 1995)
	BKKKK	GAGE, F.H. "Mammalian neural stem cells" Sci., Vol. 287, pp. 1433-8 (2000)
	BLLLL	GATEWOOD, J. D. et al., "Motherhood mitigates aging-related decrements in learning and memory and positively affects brain aging in the rat" Brain Res Bull, Vol. 66, pp. 91-98 (2005)
	BMMMM	GENSERT, J. M. and GOLDMAN J. E., "In vivo characterization of endogenous proliferating cells in adult rat subcortical white matter" GLIA, Vol. 17, pp. 39-51 (1996)
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	BRRRR	GUR, R. C. et al. "Sex differences in brain gray and white matter in healthy young adults: correlations with cognitive performance" J Neurosci, Vol. 19, No. 10, pp. 4065-4072 (1999)
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	BVVVV	ITO, A. et al. "Estrogen treatment down-regulates TNF- α production and reduces the severity of experimental autoimmune encephalomyelitis in cytokine knockout mice" J Immunol, Vol. 167, pp 542-552 (2001)
	BWWWW	JOHNSON, D.L., et al. "Erythropoietin mimetic peptides and the future" Nephrol. Dial. Transplant, Vol.15, Issue 9, pp. 1274-1277 (2000)
	BXXXX	JOKINEN, H. et al. "Medial temporal lobe atrophy and memory deficits in elderly stroke patients" Eur J Neurol 11:825-832 (2004)
	BYYYY	KANDEL et al. "Principles of Neural" Sci. p 981, 1991
	BZZZZ	KARIMI-ABDOLREZAEE, S. et al., "Delayed transplantation of adult neural precursor cells promotes remyelination and functional neurological recovery after spinal cord injury" J Neurosci., Vol. 26, No. 13, pp. 3377-3389 (2006)
	BAAAAA	KAUSHANSKY, K. "Hematopoietic growth factor mimetics" Ann. N.Y. Acad. Sci. 938:131-138 (2001)
	BBBBBB	KEIRSTEAD, H.S. et al. "Human embryonic stem cell-derived oligodendrocyte progenitor cell transplants remyelinate and restore locomotion after spinal cord injury" J Neurosci., Vol. 25, No. 19, pp 4694-4075 (2005)
	BCCCCC	KIESEIER, B.C. et al. " Multiple sclerosis-novel insights and new therapeutic strategies" Curr Opin Neurol., Vol. 18, pp. 211-220 (2005)
	BDDDDD	KIM, J. H. and JURASKA, J. M. "Sex differences in the development of axon number in the splenium of the rat corpus callosum from postnatal day 15 through 60" Brain Res. Dev. Brain Res., Vol. 102, p. 77-85 (1997)
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	BFFFFFF	KINSLEY, C. H. et al. "Motherhood improves learning and memory" Nature, Vol. 402, p. 137 (1999)
	BGGGGG	KOLB, B. et al. "Nerve growth factor treatment prevents dendritic atrophy and promotes recovery of function after cortical injury" Neurosci., Vol. 76, Issue 4, pp. 1139-1151 (1997)
	BHHHHH	KONISHI Y., et al. "Trophic effect on erythropoietin and or hematopoietic factors on central cholinergic neurons in vitro and in vivo" Brain Res. Vol. 609, pp. 29-35 (1993)
	BIIIII	KOVACS, T. et al. "Olfactory Bulb in Multiple System Atrophy", Movement Disorder, Vol. 18, No. 8, pp 938-942 (2003)
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	BKKKKK	LEARISH, R.D. et al. "Intraventricular transplantation of oligodendrocyte progenitors into a fetal myelin mutant results in widespread formation of myelin" Ann Neurol, Vol. 46, pp. 716-722 (1999)
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	BPPPPP	LIM, D.A., et al. "Noggin antagonizes BMP signaling to create a niche for adult neurogenesis", Neuron, Vol. 28, pp 713-726 (2000)
	BQQQQQ	LINDHOLM et al. "Developmental Regulation of Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) and its Receptor 1 in Rat Brain: Function of PACAP as a Neurotrophic Factor," Ann. N.Y. Acad. Sci., Vol. 865, pp. 189-96 (1998)
	BRRRRR	LIVNAH, O., et al. "Functional mimicry of a protein hormone by a peptide agonist: the EPO receptor complex at 2.8 Å" Sci. Vol. 273, Issue 5274, pp. 464-471 (1996)
	BSSSSS	LLEDO, P. M. et al. "Adult neurogenesis and functional plasticity in neuronal circuits" Nat Rev Neurosci, Vol. 7, pp. 179-193 (2006)
	BTTTTT	LOVE, G. et al. "Maternal experience produces long-lasting behavioral modification in the rat" Behav Neurosci., Vol. 119, No. 4, pp. 1084-1096 (2005)
	BUUUUU	LOWMAN, H.B. et al. "Mutational analysis and protein engineering of receptor-binding determinants in human placental lactogen" J. Biol. Chemistry, Vol. 266(17), pp. 10982-10988 (1991)
	BVVVVV	LUBETZKI, C. et al. "Promoting repair in multiple sclerosis: problems and prospects" Curr Opin Neurol., Vol. 18, pp. 237-244 (2005)
	BWWWWW	LYOO, I.K. et al. "White matter hyperintensities on magnetic resonance imaging of the brain in children with psychiatric disorders" Compr Psychiatry, Vol. 43, No. 5, pp 361-368 (2002)
	BXXXXX	MACK, C. M. et al. "Sex differences in the distribution of axon types within the genu of the rat corpus callosum" Brain Res, Vol. 697, pp. 152-156
	BYYYYY	MENN, B. et al. "Origin of oligodendrocytes in the subventricular zone of the adult brain" J Neurosci., Vol. 26, No. 30, pp.7907-7918 (2006)
	BZZZZZ	MODE, A., et al. "The human growth hormone (hGH) antagonist G120RhGH does not antagonize GH in the rat, but has paradoxical agonist activity, probably via the prolactin receptor" Endocrinology, Vol. 137, Issue 2, pp. 447-454 (1996)
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	BBBBBBB	MOORE, P.B. et al. "Cerebral white matter lesions in bipolar affective disorder: relationship to outcome" Br J Psychiatry, Vol. 178, pp. 172-176 (2001)
	BCCCCCC	MORI, E. "Impact of subcortical ischemic lesions on behavior and cognition" Ann. N. Y. Acad Sci., Vol. 977, p. 141-148 (2002)
	BDDDDDD	NAIT-OUMESMAR, B. et al. "Progenitor cells of the adult mouse subventricular zone proliferate, migrate and differentiate into oligodendrocytes after demyelination" Eur J Neurosci., Vol. 11, pp. 4357-4366 (1999)
	BEEEEEE	NEUMANN, I. D. "Alterations in behavioral and neuroendocrine stress coping strategies in pregnant, parturient and lactating rats" Prog. Brain Res., Vol. 133, pp. 143-152 (2001)
	BFFFFFFF	NÚÑEZ, J. L. et al. "Myelination in the splenium of the corpus callosum in adult male and female rats" Dev Brain Res., Vol. 120, pp. 87-90 (2000)
	BGGGGGG	NYBERG, F. "Aging effects on growth hormone receptor binding in the brain", Exp. Gerontol, Vol. 32, Nos. 4-5, pp. 521-528 (1997)
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	BIIIIII	Ormandy, C. J. et al. "Null mutation of the prolactin receptor gene produces multiple reproductive defects in the mouse" Genes Dev., Vol. 11, pp. 167-178 (1997)
	BJJJJJJ	PETERS, A. and SETHARES C. "Oligodendrocytes, their progenitors and other neuroglial cells in the aging primate cerebral cortex" Cereb Cortex, Vol. 14, pp. 995-1007 (2004)
	BKKKKKK	PETERS, A. et al., "Effects of aging on the neuroglial cells and pericytes within area 17 of the rhesus monkey cerebral cortex" Anat Rec, Vol. 229, pp. 384-398 (1991)
	BLLLLLL	PETERS, A. J. "The effects of normal aging on myelin and nerve fibers: a review" J Neurocytol, Vol. 31, pp. 581-593 (2002)
	BMMMMMM	PHELPS, C.J. et al., "Stimulatory effect of human, but not bovine, growth hormone expression on numbers of tuberoinfundibular dopaminergic neurons in transgenic mice", Endocrinology, Vol. 138, No. 7, pp. 2849-2855 (1997)
	BNNNNNN	PHELPS, C.J. et al., "Pituitary hormones as neurotrophic signals: Update on hypothalamic differentiation in genetic models of altered feedback", Proc. of the Soc. for Exp. Biology and Medicine, Vol. 222, No. 1, pp. 39-58 (1999)
	BOOOOOO	PICARD-RIERA, N. et al., "Experimental autoimmune encephalomyelitis mobilizes neural progenitors from the subventricular zone to undergo oligodendrogenesis in adult mice" PNAS 99(20):13211-13216 (2002)
	BPPPPPP	POLITO, A. and Reynolds R. "NG2 expressing cells as oligodendrocyte progenitors in the normal and demyelinated adult central nervous system" Anat. 207:707-716 (2005)
	BQQQQQQ	ROCHEFORT, C., et al. "Enriched odor exposure increases the number of newborn neurons in the adult olfactory bulb and improves odor memory" J Neurosci., Vol. 22, No. 7, pp 2679-2689 (2002)
	BRRRRRR	SCHEEPENS, A. et al. "Growth Hormone as a Neuronal Rescue Factor During Recovery from CNS Injury." Neuroscience, Vol. 104, No. 3, pp. 677-687 (14 June 2001)
	BSSSSSS	SCHRADIN, C. and ANZENBERGER G. "Prolactin, the Hormone of Paternity" News Physiol Sci., Vol. 14, pp. 223-231 (1999)
	BTTTTTT	SCOLDING, N. J. and FRANKLIN, R. J. M. "Remyelination in demyelinating disease" Baillieres Clin Neurol., Vol. 6(3), pp. 525-548 (1997)
	BUUUUUU	SHIMAZAKI, T. et al. "The ciliary neurotrophic factor leukemia inhibitory factor/gp130 receptor complex operates in the maintenance of mammalian forebrain neural stem cells" J. Neurosci., Vol. 21, No. 19, pp. 7642-7653 (2001)
	BVVVVVV	SHINGO, T. et al. "Pregnancy-stimulated neurogenesis in the adult female forebrain mediated by prolactin" Sci., Vol. 299, pp. 117-120 (2003)
	BWWWWWW	SHINGO, T. Shingo et al., Supporting Online Material pp. 1-10
	BXXXXXX	SHIODA, J. et al. "Pleiotropic functions of PACAP in the CNS. Neuroprotection and neurodevelopment" Ann. NY Acad. Sci., Vol. 1070, pp. 550-60 (2006)
	BYYYYYY	SICOTTE, N. L. et al. "Treatment of multiple sclerosis with the pregnancy hormone estriol" Ann Neurol., Vol. 52, pp. 421-428 (2002)
	BZZZZZZ	SILVERSTONE, T. et al. "Deep white matter hyperintensities in patients with bipolar depression, unipolar depression and age-matched control subjects" Bipolar Disord, Vol. 5, pp 53-57 (2003)
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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16601-026001	Application No. 10/630,96
	Applicant Ohta et al.		
	Filing Date July 31, 2003	Group Art Unit 1647	

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BFFFFFFF	STURROCK, R. R. "Myelination of the mouse corpus callosum" Neuropathol Appl Neurobiol., Vol. 6, pp. 415-420 (1980)
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